



Docket No.: 48002DIV(48340)  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Peter Rhode et al.

Application No.: 09/766,378

Confirmation No.: 8910

Filed: January 19, 2001

Art Unit: 1644

For: SOLUBLE MHC COMPLEXES AND  
METHODS OF USE THEREOF

Examiner: F. P. Vandervegt

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. References listed on Sheets 1-6 were considered in the parent case.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

Applicants have attached as part of the present Information Disclosure Statement copies of PTO-1449 forms of record in predecessor application Serial Number 08/960,190. Also included as part of the IDS are various issued patents and

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patent applications that might be of some interest to the Examiner. If copies of any of the references are required, the undersigned would be happy to furnish same on request.


The Director is hereby authorized to charge the amount of \$180.00 for the above-identified fee to Deposit Account No. 04-1105.

Copies of the references are not provided.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 48002DIV(48340). A duplicate copy of this paper is enclosed.

Dated: November 22, 2005

Respectfully submitted,

By 

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FORM PTO-1449  INFORMATION DISCLOSURE STATEMENT	DOCKET: 48002-DIV	SERIAL NO.: 09/766,378
	APPLICANT(S): P. Rhode et al.	
	FILING DATE: January 19, 2001	GROUP NO.: 1644 1644

## UNITED STATES PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	INVENTOR/ASSIGNEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,399,567	3/21/95	Platt et al.	514	315	
	AB	5,656,641	8/12/97	Platt et al.	514	315	
	AC	5,801,185	9/1/98	Platt et al.	514	315	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER:	DATE:	

<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE STATEMENT</b>				<b>ATTY DOCKET NO.</b>  48002-DIV		<b>SERIAL NO.</b>  09/766,378	
				<b>APPLICANT(S):</b> P. Rhode, et al.			
				<b>FILING DATE:</b> January 19, 2001		<b>ART UNIT:</b> 1644	
<b>UNITED STATES PATENT DOCUMENTS</b>							
<b>EXAM. INITIAL</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>FIL. DATE IF APPR</b>
<b>FOREIGN PATENT DOCUMENTS</b>							
		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>TRAN YES/NO</b>
<b>OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</b>							
	CA	J. C. Gorga, Ph.D., "Structural Analysis of Class II Major Histocompatibility Complex Proteins", <i>Critical Review in Immunology</i> , 11(5): pp.305-335 (1992)					
	CB	D. H. Margulies, et al., "Engineering Soluble Major Histocompatibility Molecules: Why and How", <i>Immunol. Res.</i> , 6: pp. 101-116 (1987)					
	CC	B. Nag, et al., "Stimulation of T cells by Antigenic Peptide Complexed With Isolated Chains of Major Histocompatibility Complex Class II Molecules", <i>Proc. Natl. Acad. Sci. USA</i> , 90: pp. 1604-1608 (1993).					
		Copy of Notification & Int'l Search Report dated February 12, 1999 re corresponding Int'l Appln. No. PCT/US98/21520.					
<b>Examiner:</b>				<b>Date:</b>			

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<b>EXAM. INITIAL</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>FIL. DATE IF APPR</b>
WO 93/09810							
		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>TRAN YES/NO</b>
	BA	WO 93/09810	May 27, 1993	PCT			
	BB	WO 89/12458	December 28, 1989	PCT			
	BC	WO 94/25054	November 10, 1994	PCT			
<b>OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</b>							
	CA	Godeau, et al., Journal of Biological Chemistry: Purification and Ligand Binding of a Soluble Class 1 Major Histocompatibility Complex Module Consisting of the First Three Domains of H-2K <sup>d</sup> Fused 267: 24223 (1992).					
<b>Examiner:</b>				<b>Date:</b>			

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

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48002-DIV

SERIAL NO.

09/766,378

APPLICANT(S) : P. Rhode, et al.

FILING DATE:

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ART UNIT:

1644

UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPR

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRAN YES/NO
	BA	WO 95/23814	09-08-95	PCT			Yes

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)


Examiner:

Date:

<b>FORM PTO-1449</b> <b>INFORMATION DISCLOSURE STATEMENT</b>	DOCKET NO.	SERIAL NO.:
	48002 -DIV	09/766,378
	APPLICANT(S): P. Rhode, et al.	
	FILING DATE:	GROUP NO.
	January 19, 2001	1644

### UNITED STATES PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,284,935	02/08/94	Clark, et al.	530	403	
	AB	5,260,422	11/09/93	Clark, et al.	530	403	
	AC	5,194,425	03/16/93	Sharma, et al.	514	8	
	AD	5,130,297	07/14/92	Sharma, et al.	514	8	

### FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
	BA	WO 94/18998	09/01/94	PCT			Yes
	BB	WO 93/10220	03/27/93	PCT			Yes
	BC	WO 92/18150	10/29/92	PCT			Yes
	BD	WO 96/04314	2/15/96	PCT			Yes
	BE	WO 96/05228	2/22/96	PCT			Yes
	BF	WO 97/28191	8/7/97	PCT			Yes

### OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

CA	H. Konozo, et al., <i>Nature</i> , <b>369</b> :151-154 (1994).
CB	J. Altman, et al., <i>Proc. Natl. Acad. Sci. USA</i> , <b>90</b> :10330-10334 (1993).
CC	L. Stern, et al., <i>Nature</i> , <b>368</b> :215-221 (1994).
CD	S. Sharma, et al., <i>Proc. Natl. Acad. Sci. USA</i> , <b>88</b> :11465-11469 (1991).
CE	J. Guery, et al., <i>Critical Reviews in Immunology</i> , <b>13</b> (3/4):195-206 (1993).
CF	M. Nicolle, et al., <i>J. Clin. Invest.</i> , <b>93</b> :1361-1369 (1994).

<b>FORM PTO-1449</b>		DOCKET NO.	SERIAL NO.:
<b>INFORMATION DISCLOSURE STATEMENT</b>		48002-DIV	09/766,378
		APPLICANT(S): P. Rhode, et al.	
		FILING DATE:	GROUP NO.
		January 19, 2001	1644
	CG	D. Harlan, et al., <i>Proc. Natl. Acad. Sci. USA</i> , <b>91</b> :3137-3141 (1994).	
	CH	E. Evahold, et al., <i>Immunology Today</i> , <b>14</b> (12):602-609 (1993).	
	CI	R. Chicz, et al., <i>Immunology Today</i> , <b>15</b> (4):155-160 (1994).	
	CJ	R. Tisch, et al., <i>Proc. Natl. Acad. Sci. USA</i> , <b>91</b> :437-438 (1994).	
	CK	<i>Science</i> , <b>259</b> :1691-1692 (1993).	
	CL	J. Ulmer, et al., <i>Science</i> , <b>259</b> :1745-1749 (1993).	
	CM	H. Ploegh, et al., <i>Nature</i> , <b>364</b> :16-17 (1993).	
	CN	J. Brown, et al., <i>Nature</i> , <b>364</b> :33-39 (1993).	
	CO	D. O'Sullivan, et al., <i>Journal of Immunology</i> , <b>147</b> :2663-2669 (1991).	
	CP	J. Hammer, et al., <i>J. Exp. Med.</i> , <b>176</b> :1007-1013 (1992).	
	CQ	L. Stern, et al., <i>Cell</i> , <b>68</b> :465-477 (1992).	
	CR	K. Webber, et al., <i>Molecular Immunology</i> , <b>32</b> :249-258 (1995).	
	CS	Y. Reiter, et al., <i>The Journal of Biological Chemistry</i> , <b>269</b> :18327-18331 (1994).	
	CT	K. O'Neil, et al., <i>Science</i> , <b>249</b> :774-778.	
Examiner:		Date:	



Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	09/766,378-Conf. #8910
				Filing Date	January 19, 2001
				First Named Inventor	Peter Rhode
				Art Unit	1644
				Examiner Name	F. P. Vandervegt
Sheet	7	of	7	Attorney Docket Number	48002DIV(48340)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-6,309,645	10-30-2001	Peter Rhode, et al.	
	AB*	US-6,232,445	05-15-2001	Peter Rhode, et al.	
	AC	US-USSN 08/283,302	07-29-1994	Hing C. Wong, et al.	
	AD	US-USSN 08/382,454	03-02-1998	Peter Rhode, et al.	
	AE	US-USSN 09/848,164	05-03-2001	Martin Burkhardt, et al.	
	AF	US-USSN 09/900,379	01-17-1997	Peter Rhode, et al.	


FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
	BA	WO-PCT/US95/09816	07-31-1995		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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